

TURFGRASS SCIENCE - BS

Program Requirements

First Year

Fall		Semester Credit Hours
SCSC 205	Problem Solving in Plant and Soil Systems	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ¹		3
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication) ¹		3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ¹		3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics) ²		3
Semester Credit Hours		15

Spring

AGEC 105	Introduction to Agricultural Economics	3
COMM 203	Public Speaking	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ¹		3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ¹		3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics) ²		3
Semester Credit Hours		15

Second Year

Fall		Semester Credit Hours
CHEM 119	Fundamentals of Chemistry I	4
Select one of the following:		3
ENTO 201	General Entomology	
ENTO 401	Principles of Integrated Pest Management	
PLPA 334	Turfgrass Pathology	
SCSC 446	Weed Management and Ecology	
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ¹		3
Directed elective ³		3
General elective		1-2
Semester Credit Hours		15

Spring

HORT 201	Horticultural Science and Practices	3
Select one of the following:		3-4
CHEM 222	Elements of Organic and Biological Chemistry	
CHEM 227	Organic Chemistry I	

CHEM 257	Organic Chemistry I - Structure and Function	
Select one of the following:		4
BIOL 101	Botany	
BIOL 111	Introductory Biology I	
CHEM 120	Fundamentals of Chemistry II	
GEOL 101 & GEOL 102	Principles of Geology and Principles of Geology Laboratory	
PHYS 201	College Physics	
Select one of the following:		3
ENTO 201	General Entomology	
ENTO 401	Principles of Integrated Pest Management	
PLPA 334	Turfgrass Pathology	
SCSC 446	Weed Management and Ecology	
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) ¹		3
Semester Credit Hours		16

Third Year

Fall		Semester Credit Hours
SCSC 301	Soil Science	4
SCSC 302	Recreational Turf	3
SCSC 312	Professional Development in Turfgrass	1
Select one of the following: ⁴		3
RWFM 313	Vegetation Sampling Methods and Designs in Ecosystems	
STAT 201	Elementary Statistical Inference	
STAT 302	Statistical Methods	
Directed elective ³		3
Semester Credit Hours		14

Spring

ECCB 205 or SCSC 444	Fundamentals of Ecology or Forage Ecology and Management	3
SCSC 309	Water in Soils and Plants	3
SCSC 428	Advanced Turf Ecology and Physiology	3
Directive elective ³		3
General elective		4
Semester Credit Hours		16

Fourth Year

Fall		Semester Credit Hours
MGMT 309	Survey of Management	3
SCSC 429	Turf Management Systems	4
Select one of the following: ⁵		3
SCSC 420	Brazilian Agriculture and Food Production Systems	
SCSC 421	International Agricultural Research Centers - Mexico	
SCSC 484	Internship	
SCSC 491	Research	
General elective		6
Semester Credit Hours		16

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SCSC 307	Crop Biology and Physiology	4
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SCSC 427	Sports Field Construction	4
SCSC 430	Turfgrass Maintenance	3
SCSC 481	Senior Seminar	2
Semester Credit Hours		13
Total Semester Credit Hours		120

¹ Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a core category, a college/department requirement, or a free elective can be used to satisfy this requirement. Select in consultation with an academic advisor.

² Choose from Core Curriculum (<http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/>) courses with a MATH prefix.

³ To be selected from SCSC 300-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/scsc/>) courses not counting elsewhere on the degree plan and in consultation with an academic advisor.

⁴ Statistics course should be selected after consultation with academic advisor.

⁵ Students will complete an internship, study abroad or independent research experience.